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PTO/SB/05 (2/98)

ed for use through 09/30/2000. OMB 0651-0032

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Please type a sign(+) inside the result of the Paperwork Reduction Act of 1995, no persons are required to re	spend to a collection	ttorney Do	cket No.	1503.011000E			
	1.0	irst Invent	or or Application				
UTILITY PATENT APPLICATION TRANSMITTAL  (Only for new nonprovisional applications under 37 CFR § 1.53(b))			Identifier  Title Microplate Thermal Shift Assay Apparatus for Ligand Development and Multi-Variable Protein Chemistry Optimization				
	<u> </u>	Express Me	ail Label No.				
			A seistant Co	mmissioner for Patent	ts	و ا	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application of	ontents. AD	DRESS TO:	Washington	DC 20231		192	
1.   * Fee Transmittal Form (e.g., PTO/SB/17)  (Submit an original, and a duplicate for fee processing)		Nucleot	rofiche Compu tide and/or Ami ble, all necessa	ter Program <i>(App</i> no Acid Sequenc ry)	pendix) ce Submiss	113 U.S	
2 Specification [Total Pages 110]	. }		Computer Rea			ð.	
/ (preferred arrangement set for the least of the least Applications		a. 🔲 b. 🗍		dentical to compu	uter copy)		
- Statement Regarding red spots and reference to Microfiche Appendix		о. <u>П</u>	Statement veri	fying identity of	above cop	oies	
Brief Summary of the Inventoring (if filed)     Brief Description of the Drawings (if filed)		_					
Detailed Description (Claimits) Abstract of the Disclosure  (A) (35 II S.C. 113) [Total Sheets	42 ]			ING APPLICA		KIS	
3. Drawing(s) (35 U.S.C. 113) [Total Sheets				(cover sheet & doc	ument(s))	av.	
4. Oath or Declaration [Total Pages 3]	]	9. 🗆 🖁	37 CFR 3.73(b) Sta (when there is an a		ver of Attorn	ley	
a. Newly executed (original or copy)		10.	English Translatio	n Document (if appl	licable)		
b. Copy from a prior application (37 CF continuation/divisional with Box 17 completed)	R 1.63(d)) (for	11.	Information Disclo Statement (IDS)/P	osure Cop TO-1449	pies of IDS	Citations	
[Note Box 5 below]	np(\$)	12 57	Preliminary Amer	ndment	coa)		
i. DELETION OF INVENTO Signed statement attached de named in the prior application	eting inventor(s) n, see 37 CFR §§						
1 6161(1) 810 (1.33(1)		14.	*Small Entity Sta (PTO/SB/09-12)	atement(s)	application, and desired	Status still proper	
5. Incorporation By Reference (useable if Box 4) The entire disclosure of the prior application, from wh declaration is supplied under Box 4b, is considered as disclosure of the accompanying application and is her reference therein.		h er 15. □	Certified Copy o	f Priority Document	t(s)		
The entire disclosure of the prior application, from wh declaration is supplied under Box 4b, is considered as disclosure of the accompanying application and is her	eby incorporated by	15. ☐ Certification  (if foreign priority is claimed)  16. ☑ Other: 37 C.F.R. § 1.136(a)(3) Authorization  ☐ Other:  *NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A  *NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A					
reference therein.							
		SMALL E	DOLICATION IS RELI	ED UPON (37 C.F.R. §1	.28).		
17. If a CONTINUING APPLICATION, check	appropriate box, and	i supply the r	equisite information	below and in a prelit	minary amend	lment:	
	Continuation	-in-Part (C	CIP) of prior ap	plication No: 09	/459,996		
☑ Continuation ☐ Division			/Art Unit: 1743				
Prior application information: Examiner	J. Snay						
	18. 14. 42.	ENC	E ADDRESS				
	2611	1	***************************************	or 🔲 Co	rresponden	ce	
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NAME STERNE, KESSLER, GOLDSTEI	N & FOX P.L.L.C.						
Attorneys at Law	venue, N.W.			ZIP CO	DE 200	05-3934	
Allohays Time New York A		TDO	~	ZII CO.			
ADDRESS Suite 600, 1100 New York A	STATE TELEPHON		02) 371-2600	FAX	(20	2) 371-2540	



ATTORNEYS AT LAW

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\*BAR OTHER THAN D.C. \*\*REGISTERED PATENT AGENT \*\*\*SENIOR COUNSEL

March 9, 2001

WRITER'S DIRECT NUMBER: (202) 371-2587 INTERNET ADDRESS: PGARRETT@SKGF.COM

**Assistant Commissioner for Patents** Washington, D.C. 20231

**Box Patent Application** 

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

(A Continuation of Appl. No. 09/459,996; Filed: December 14, 1999)

Appl. No. To Be Assigned; Filed: March 9, 2001

Microplate Thermal Shift Assay Apparatus for Ligand Development

and Multi-Variable Protein Chemistry Optimization

Inventors:

Pantoliano et al.

Our Ref:

1503.011000E

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- PTO Utility Patent Application Transmittal Form (PTO/SB/05); 1.
- A true copy of prior application number 09/459,996; Filed: December 14, 1999; 2. entitled

Microplate Thermal Shift Assay Apparatus for Ligand Development and Multi-Variable Protein Chemistry Optimization

and naming as inventors:

Michael W. Pantoliano Roger F. Bone Alexander W. Rhind Francis R. Salemme

Assistant Commissioner for Patents March 9, 2001 Page 2

the application consisting of:

- a. A specification containing:
  - (i) 99 pages of description prior to the claims;
  - (ii) 10 pages of claims (53 claims);
  - (iii) a one (1) page abstract;
- b. 42 sheets of drawings: (Figures 1-16, 17A-D, 18-31, 32A-E, 33-35, 36A, 36B, 37-40, 41A, 41B, 42); and
- c. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 09/459,996;
- 3. PTO Fee Transmittal Form PTO/SB/17;
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Preliminary Amendment;
- 6. Application Data Sheet;
- 7. Two (2) return postcards; and
- 8. Our check No.

for \$760.00 to cover:

\$760.00 Filing fee for patent application.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STARNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Patrick E. Garren

Attorney for Applicants Registration No. 39,987

PTO/SB/17 (6/99)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ormation unless it displays a unlid OMP and the comment of the com

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

(\$)760.00

TOTAL AMOUNT OF PAYMENT

Complete if Known				
Application Number	To Be Assigned			
Filing Date	March 9, 2001			
First Named Inventor	Michael W. Pantoliano			
Examiner Name	To Be Assigned			
Group / Art Unit	To Be Assigned			
Attorney Docket Number	1503.011000E			

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)				
	3. ADDIT	IONALE	EEG		
. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:	J. ADDII	IONAL F	EES		2
Deposit Account Number 19-0036	_		c .u	F. de.	<u>ه</u> ي ا
Deposit Account Name  Sterne, Kessler, Goldstein & Fox P.L.L.C.	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description Paid
	105	130	205	65	Surcharge - late filing fee or oath
☐ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	127	50	227		Surcharge - late provisional filing fet (1997)
	139	130	139	130	Non-English specification
2 M - 45 to t					
2. ⊠ Payment Enclosed:  ☐ Money Order ☑ Other*	147	2,520	147	2,520	For filing a request for reexamination
*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below	112	920*	112	920*	Requesting publication of SIR prior to Examiner action
to Deposit Account No. 19-0036. FEE CALCULATION	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
	115	110	215	55	
1. BASIC FILING FEE	116	380	216	190	Extension for reply within second month
O F17.	117	870	217	435	
Fee Fee Fee Fee Description Fee Paid	118	1,360	218	680	Extension for reply within fourth month
Code (\$) Code (\$)	128	1,850	228	925	Extension for reply within fifth month
101 760 201 380 Utility filing fee 760.00	119	300	219	150	
106 310 206 155 Design filing fee	120	300	220	150	
107 480 207 240 Plant filing fee	121	260	221	130	· · · · · · · · · · · · · · · · · · ·
108 760 208 380 Reissue filing fee	138	1,510	138	1,510	
114 150 214 75 Provisional filing fee	140	110	240	55	Petition to revive - unavoidable
	141	1,210	241	605	
SUBTOTAL (1) (\$) 760.00	142	1,210	242	605	
	143	430	243	215	
	144	580	244	290	Plant issue fee
2. EXTRA CLAIM FEES Fee from Extra below Fee Paid	122	130	122	130	Petitions to the Commissioner
Total Claims 1 - 20** = X = 0.00 Indep. Claims 1 - 1** = 0 X = 0.00	123	50	123	50	Petitions related to provisional applications
Multiple Dependent =	126	240	126	240	Submission of Information Disclosure Stmt
** or number previously paid, if greater, For Reissues, see below  Large Entity Small Entity Fee Fee Fee Fee Fee Description	581	40	581	40	Recording each patent assignment per property (times number of properties)
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	146	760	246	380	) Filing a submission after final rejection (37 CFR 1.129(a))
102 78 202 39 Independent claims in excess of 3					Second additional invention to be examined
104 260 204 130 Multiple dependent claim	149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))
108 78 209 39 **Reissue independent claims over original patent	Other fee	(specify):			
110 18 210 9 **Reissue claims in excess of 20 and	Other fee	(specify) :			
over original patent		by Basic	Filing Fe	e Paid	
SUBTOTAL (2) (\$) <u>-0-</u>	-	-	-		SUBTOTAL (3) (\$) 0.00
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SUBMITTED BY					Complete (if applicable)

SUBMITTED BY		Complete (if applicable)	Complete (if applicable)		
Typed or Printed Name	Patrick E. Garrett		Reg. Number	39,987	
Signature	Of & Lavett	Date 3/9/01	Deposit Acct. User ID		

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Pantoliano et al.

Appl. No. To Be Assigned

(A Continuation of Appl. No.09/459,996)

Filed: March 9, 2001

For:

Microplate Thermal Shift Assay

Apparatus for Ligand

Development and Multi-Variable Protein Chemistry Optimization

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1503.011000E



## Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

ERNE, KESSLER GOLDSTEIN & FOX P.L.L.C.

Attorney for Applicants Registration No. 39,987

Date:

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